



Election is called to fill 13 seats on the Governing Council nominations open Monday, January 22, close February 12

The Office of the Governing Council has called an election to fill 13 seats on the Council occupied by members elected for one-year terms ending June 30, 1973. One representative will be required for each of four teaching staff constituencies, one for the administrative staff constituency, and all eight members of the three student categories.

Nominations will be open from Monday, Jan. 22, to 12 noon on Monday, Feb. 12. Ballots will be mailed to the voters in the constituencies concerned about March 2. The election will close on Tuesday, March 20.

Members of the teaching staff who are completing one year terms on Council are:
Prof. J. M. Margeson, Scarborough College.
Prof. R. M. H. Shepherd, University College.
Dr. J. C. Laidlaw, Faculty of Medicine.
Prof. A. M. Fallis, School of Hygiene.

The member of the administrative (support) staff rounding out a one year term is Mrs. Gwen Russell.

The eight students now on Council and whose terms run out are:

Mrs. Clarice Henschel and John D. Morton - graduate students; Brian Morgan, Ian Morrison, Paul Cadario, and Aron Goldberg - full-time undergraduates; Mrs. Joyce Denyer, and Mrs. Norma Grindal - part-time undergraduates.

All the 1972-73 incumbents are eligible for re-election if they are continuing in the constituencies for which they were originally elected in 1972. Accordingly, students who will not be returning to the University for the 1973-74 academic session cannot be candidates.

Candidates in the teaching staff and the administrative staff constituencies will be elected for three-year terms. Students elected hold office for one year, in accordance with the University of Toronto Act, 1971.

In addition to the 13 elective seats covered by the Governing Council announcement, 2 of 8 elective alumni seats must be filled, bringing the total to 15. This election is being conducted by the alumni College of Electors which has issued a call for nominations which must be in the hands of the College secretary by March 14. The sitting alumnus members who were elected for one-year terms and are eligible for nomination again, this time in an election for three-year terms, are Keith Hendrick, Engineering '47, and James H. Joyce, U.C. (Com.) '34.

The announcement of the election issued by the Office of the Governing Council follows:

ELECTION GUIDELINES

1. In the event of any conflict between these guidelines and the provisions of the *University of Toronto Act, 1971*, the provisions of the Act prevail.
2. These guidelines are with respect to the election of members from the University's staff and student groups only.
3. Enquiries may be directed to the Office of the Governing Council at 928-2160.

Powers and Duties of the Governing Council

The *University of Toronto Act, 1971*, vests in the Governing Council, the government, management and control of the University and of University College, and property, revenues, business and affairs thereof, and the powers and duties of the former Board of Governors and Senate of the University.

In view of the size and complexity of the University and the extensive duties of the Governing Council, it has delegated many of its review powers to working committees.

Bernard Etkin is appointed Dean of Applied Science & Engineering

The Governing Council yesterday approved the nomination by President John Evans of Prof. Bernard Etkin as Dean of the Faculty of Applied Science and Engineering. He will succeed Dr. James M. Han who has held the post since 1966 and returns to teaching and research at the end of June.

Bern Etkin, as he is known to the University, is a native of Toronto who took his B.A.Sc. and M.A.Sc. degrees at U of T and joined its teaching staff in 1942. He is 56, married, and has two children.

He has been Professor in the Institute for Aerospace Studies since 1957 and was Chairman of the Division of Engineering Sciences from 1967 to 1972. He has served on a number of his faculty's standing and special committees. He was an elected member of the Senate, the President's Council, and the Commission on University Government.

Prof. Etkin has been a consultant with various aircraft companies and has been associated with the Defence Research Board and the National Research Council. His publications include *Dynamics of Flight*, 1959, and many technical papers and reports for a variety of journals. He is a Fellow of the Royal Society of Canada.

In 1971 Carleton University conferred on him its rarely given degree of Doctor of Engineering, *honoris causa*. Following is an extract from the citation read by President Davidson Dunton:



"It is given to only a tiny fraction of Canadians to be of Olympian or international stature in science and technology; one of them is Professor Etkin. ... He has penetrated many secrets of flight within the earth's atmosphere as well as beyond it and his articles and books are known around the world. ... But his distinction does not come just from his research and his publications. He is known to generations of students as a great teacher, as a man who has the inimitable capacity to inspire others to investigate deeply and thoroughly for themselves. ... He has a great understanding of people."

In addition to an Executive Committee, the Council has established an Academic Affairs Committee, a Business Affairs Committee, an External Affairs Committee, an Internal Affairs Committee, and a Planning and Resources Committee. All members of Council currently sit on at least one of these committees, and a number of members sit on more than one. The working committee structure is outlined briefly below:

Academic Affairs Committee
- 25 members, 15 of whom are members of the Governing Council. Terms of reference include policy on the following:
- Academic standards and practices
- Curricula
- Admissions
- Examinations
- Awards (and student aid in general)
- Degrees (including honorary)
- Academic Appeals
- Faculty appointments and records, promotions, tenure, discipline, and procedure for appeals.
- Academic services (libraries, instructional media, computers, records (students), schedules, room allocations, academic counselling services, research administration services).
- Matters of policy associated with:
- Adult education curricula (extension, conservatory)
- Liaison with secondary schools, CAATS, etc.
- Degree convocations.
- University calendars (and other "academic" publications)
- General publications regarding the University (e.g. AUCC Handbook, etc.)

Business Affairs Committee
- 11 members, all of whom are members of the Governing Council.
Terms of reference include policy on the following:
- All financial services, investment, pensions, trusts, legal contracts, insurance, and annual review of current budget.

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Council agrees President needs room to manoeuvre

A recommendation to raise the University Health Service fee from \$10 to \$12 sparked a debate in the Governing Council yesterday about why students should have to pay a special fee for health services when nobody else in the Province does. Professor Barry Coutts raised the question of what students will get for their \$12 when they can go to their own doctors or the emergency departments of hospitals and get treated for nothing. Brian Morgan claimed it would be irresponsible of the Council to raise the fee until a thorough-going investigation of the Health Service had taken place. Paul Cadario, who had brought in the motion to raise the fee, said that students in general approve of the Health Service and do not object to paying for it; it provides services and an infirmary that are not covered by OHIP. Gus Absol said that on the basis of his personal experience Health Service was worth \$50 a year to students.

At Dr. Jack Laidlaw's suggestion, the Director of the Health Service, Dr. G. E. Wodehouse, who was in the visitors' gallery, was requested to give the Council further information. Dr. Wodehouse explained that the Health Service covers the 10 per cent of the student body who are not covered by OHIP; it provides complete confidentiality in cases where a student does not want his family to learn about the service that has been rendered - psychiatric help, pregnancy cases, and some communicable diseases often fall into this category. But most important is the availability and accessibility of assistance students, in contrast to the needs it often takes to get appointments with doctors and the hours spent waiting for treatment in hospital emergency departments. Treatment in a community health clinic, which is the way Dr. Wodehouse described the Health Service, is much cheaper than hospital out-patient clinics. Professor Ron Shepherd said that as a College Registrar he had been very glad to be able to refer any student injured in mind or body to the Health Service with assurance of im-

mediate and sympathetic attention.

The Council endorsed the increase in the Health Service fee.

By-Laws approved

A lengthy debate took place over a motion by John Parker to amend the by-laws so as to make it mandatory for members' notices of motion to appear on Council agendas. (The proposed by-laws would permit the Executive Committee to refer such notice of motion to an appropriate Governing Council Committee, and in that case it would only make the agenda on a two-thirds vote of the members present.)

William Harris said that the Steering Committee that had worked on the by-laws had considered Mr. Parker's suggestion carefully but had decided against it, and he consistently opposed any move to refer the matter back to the Steering Committee on those grounds. Brian Morgan expressed agreement with the view that no one member should be able to disrupt the agenda in this way but suggested that a notice of motion presented at a Council meeting with the signatures of ten members should be put on the agenda. The Council, however, defeated Mr. Parker's amendment and approved the by-laws in principle subject to some tidying-up. There was some feeling expressed that Mr. Morgan's suggestion should also be debated whereupon Principal Hallett, who with Professor Scane had worked with the Steering Committee on the formulation of the by-laws, pointed out that a procedure exists for amending the by-laws and that the Council will be able to do this at any time if there is dissatisfaction with the way they work in practice. The new by-laws will be in operation for the Council's next meeting.

Delegation to Faculty Councils

The Academic Affairs Committee presented a tripartite recommendation about the delegation of powers, providing (a) that major policy decisions in academic matters be submitted to the

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- Properties, physical planning of the University, and construction.
- Subsidiary enterprises: Insulin, Conservatory, Harris, Press.
- Non-Academic personnel services and other Administrative procedures.
- External Affairs Committee**
 - 12 members, all of whom are members of the Governing Council.
- Terms of reference include policy on the following:
 - Community relations: neighbourhood, city.
 - Information and public relations.
 - Ceremonials (except degree convocations), public lectures, dinners, carillon, building openings, etc.
 - Relations with giving community.
 - Relations with alumni.
- Internal Affairs Committee**
 - 12 members, all of whom are members of the Governing Council.
- Terms of reference include policy on the following:
 - Discipline.
 - Campus Services – some examples:
 - Athletics, bookstores, residences, food services, housing, health, security, communications, campus police, parking, all theatres and concert halls including Hart House theatre, use of Convocation Hall, career counselling and placement services, Hart House, Faculty Club, International Centre and other special services for overseas students (e.g. C.I.D.A.), day care, campus centre, general counselling, and other campus services as new ones appear and existing services vanish.
 - Policy issues arising from relations with campus organizations.

Planning and Resources Committee

- 15 members, 13 of whom are members of the Governing Council.
- Terms of reference include policy on the following:
 - General objectives and priorities of the University.
 - Initiation and termination of academic programmes and review of all other matters with major resources implications.
 - Research policy.
 - Operating budget planning and annual review of current budget.
 - Capital budget planning including priorities for major new and renovated space.
 - Review of major University policy submissions to external agencies.

COMPOSITION

The Governing Council is composed of 50 members as follows:

- 1 – Chancellor (ex-officio)
- 1 – President (ex-officio)
- 2 – Presidential Appointees
- 16 – Lieutenant Governor in Council Appointees
- 12 – Teaching Staff
 - 8 – Students
 - 2 graduate students
 - 4 full-time undergraduate students
 - 2 part-time undergraduate students
 - 2 – Administrative Staff
 - 8 – Alumni

FRANCHISE

“Teaching Staff” means the employees of the University, University College, the constituent colleges and the federated universities who hold the academic rank of professor, associate professor, assistant professor, full-time lecturer or part-time lecturer unless such part-time lecturer is registered as a student. (“Lecturer” includes associates and clinical teachers in the Faculty of Medicine, and associates in the Faculty of Dentistry.)

Teaching Staff Constituencies

In all cases a teaching staff member's constituency will be determined on the basis of his major teaching appointment to a faculty, college or school. Only in the case of a teaching staff member without a teaching appointment to a faculty, college or school, will his constituency be determined by another appointment.

Constituency I – 6 seats – divided as follows:

- Constituency IA – 1 seat – W. B. Dunphy – term expires June 30, 1974.**
- all teaching staff members who hold their major appointments in the federated universities.

Constituency IB – 1 seat – FOR WHICH AN ELECTION IS REQUIRED

- J. M. R. Margeon – term expires June 30, 1973.
- all teaching staff members who hold their major appointments at Scarborough or Eridgehale Colleges.

Constituency IC – 1 seat – FOR WHICH AN ELECTION IS REQUIRED

- R. M. H. Shepherd – term expires June 30, 1973.
- all teaching staff members in the Faculty of Arts and Science who hold their major appointments in the University College or New College Departments of Classics, English, French, German, Near Eastern Studies; or in the University Departments of East Asian Studies, Fine Arts, Islamic Studies, Italian and Hispanic Studies, Slavic Languages and Literatures, Sanskrit and Indian Studies (excluding those who are members of Constituency IB).

Constituency ID – 1 seat – H. C. Eastman – term expires June 30, 1975.

- all teaching staff members in the Faculty of Arts and Science who hold their major appointments in the Departments of Anthropology, Geography, History, Philosophy, Political Economy, Sociology, Psychology (excluding those who are members of Constituency IB).

Constituency IE – 1 seat – J. E. Dove – term expires June 30, 1974.

- all teaching staff members in the Faculty of Arts and Science who hold their major appointments in the Departments of Astronomy, Chemistry, Computer Science, Geology, Mathematics, Physics, Botany, Zoology (excluding those who are members of Constituency IB).

Constituency IF – 1 seat – C. M. T. Hanly – term expires June 30, 1975.

- all teaching staff who are members of Constituencies IC, ID or IE.

Constituency II – 1 seat – H. W. Smith – term expires June 30, 1974.

- all teaching staff members in the Faculty of Applied Science and Engineering.

Constituency III – 2 seats – FOR ONE OF WHICH SEATS AN ELECTION IS REQUIRED

- J. C. Laidlaw – term expires June 30, 1973.

- E. A. Sellers – term expires June 30, 1974.

- all teaching staff members in the Faculty of Medicine.

Constituency IV – 1 seat – FOR WHICH AN ELECTION IS REQUIRED

- A. M. Fallis – term expires June 30, 1973.

- all teaching staff members in the Faculty of Dentistry, Faculty of Food Sciences, School of Hygiene, Faculty of Nursing, Faculty of Pharmacy, School of Physical and Health Education.

Constituency V – 1 seat – W. B. Coutts – term expires June 30, 1975.

- all teaching staff members in the Faculty of Architecture, Urban and Regional Planning and Landscape Architecture, Faculty of Management Studies, Faculty of Forestry, Faculty of Law, Faculty of Music, Faculty of Social Work.

Constituency VI – 1 seat – M. F. Grapko – term expires June 30, 1975.

- all teaching staff members in the Faculty of Education, Graduate Department of Educational Theory, Faculty of Library Science.

“Graduate Student” means all students registered in the School of Graduate Studies.

Graduate Student Constituencies

Constituency I – 1 seat – FOR WHICH AN ELECTION IS REQUIRED

- C. Henschel – term expires June 30, 1973.
- all students in Division I (Humanities) of the School of Graduate Studies; Division II (Social Sciences) of the School of Graduate Studies, with the exception of the Graduate Department of Educational Theory.

Constituency II – 1 seat – FOR WHICH AN ELECTION IS REQUIRED

- J. D. Morton – term expires June 30, 1973.
- all students in the Graduate Department of Educational Theory; Division III (Physical Sciences) of the School of Graduate Studies; Division IV (Life Sciences) of the School of Graduate Studies.

“Full-Time Undergraduate Student” means all students registered at the University in a program of full-time study who are not registered in the School of Graduate Studies.

Full-Time Undergraduate Student Constituencies

Constituency I – 2 seats – FOR WHICH AN ELECTION IS REQUIRED

- B. Morgan and I. Morrison – terms expire June 30, 1973.
- all students registered in the Faculty of Arts and Science.

Constituency II – 2 seats – FOR WHICH AN ELECTION IS REQUIRED

- P. M. Cadario and A. Goldberg – terms expire June 30, 1973.
- all students registered in the Faculty of Dentistry, Faculty of Food Sciences, Faculty of Medicine, Faculty of Nursing, Faculty of Pharmacy, School of Hygiene, School of Physical and Health Education, Faculty of Education, Faculty of Applied Science and Engineering, Faculty of Architecture, Urban and Regional Planning and Landscape Architecture, Faculty of Forestry, Faculty of Law, Faculty of Music, Faculty of Management Studies, Faculty of Social Work (with the proviso that both members elected in Constituency II not be registered in the same faculty or school, and that in the event that a member elected while registered in one faculty or school later registers in the faculty or school in which the other elected member is registered, the transferring member shall resign his seat).

“Part-time Undergraduate Student” means all students registered at the University in a program of part-time study who are not registered in the School of Graduate Studies.

Part-Time Undergraduate Student Constituencies

Constituency I – 2 seats – FOR WHICH AN ELECTION IS REQUIRED

- J. E. Denyer and N. Grindal – terms expire June 30, 1973.
- all part-time undergraduate students.

“Administrative Staff” means the employees of the University, University College, the constituent colleges and the federated universities who are not members of the teaching staff thereof.

Administrative Staff Constituencies

Constituency I – 2 seats – FOR ONE OF WHICH AN ELECTION IS REQUIRED

- G. Russell – term expires June 30, 1973.
- J. H. Parker – term expires June 30, 1974.

- all administrative staff members.

Terms of Office

Administrative Staff – three years.

Students – one year.

Teaching Staff – three years.

NOMINATIONS

Nominations for four teaching staff, eight students, and one administrative staff seat will open on January 22, and will remain open until February 12, 1973, at 12 noon. No nominations must be sponsored by the following number of nominators:

Teaching Staff – 10; Graduate Students – 15; Full-Time Undergraduate Students – 50; Part-Time Undergraduate Students – 15; and Administrative Staff – 20.

Nominators must be members of the same constituency as the nominee, and a nominator may not nominate more candidates for election than there are seats vacant in his constituency. Nomination forms may be obtained, upon request, from the Office of the Governing Council, or the Registrars' Offices at Scarborough and Eridgehale Colleges.

The onus is on the person nominated for election to file a bona fide nomination paper. Errors or irregularities in these papers constitute grounds for rejection of the nomination. Such errors or irregularities may be corrected prior to the close of nominations but not afterwards. The Office of the Governing Council will attempt to notify candidates of any errors prior to the close of nominations. Consequently, candidates are advised to complete and submit their nomination forms early in the nomination period.

The names of candidates nominated for election will be considered public information as they are received. The names of nominators will not be released by the Office of the Governing Council.

A person nominated as a candidate in the election may withdraw his nomination by notarized instrument in writing received by the Office of the Governing Council within 48 hours after the close of nominations.

A successful candidate must resign his seat at any time at which he ceases to meet the eligibility requirements for election to that seat.

Citizenship

Any person nominated as a candidate must be a Canadian citizen at the time of nomination if his candidacy is to be acceptable.

LECTION EXPENSES

Candidate campaign expenses will be refunded up to a limit of \$50 on production of bona fide receipts at the close of the election. Each candidate claiming a refund shall submit to the Secretary of the Governing Council a detailed statement of all election expenses incurred by him or on his behalf. Such statements shall be open to examination by any constituent.

ELECTION SCHEDULE

Nominations open – January 22.

Nominations close – February 12, 12 noon.

Voting to be conducted by mailed ballot, ballots mailed on or about March 2.

Close of election – March 20.

Announcement of results – shortly thereafter.

BALLOTTING METHOD

Balloots will be mailed to each voter at his home address as recorded in the University's record systems;

Each ballot will be accompanied by a small secrecy envelope into which the marked ballot should be sealed;

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Also provided will be a return-addressed envelope into which the small secrecy envelope should be sealed;

Voters will be required to provide, on the upper left-hand corner of the return envelope, information sufficient to allow verification of their ballot return;

Each ballot will also be accompanied by an information sheet containing candidates' statements, information on the correct method to return the ballot, information on eligibility to use that particular ballot, and a short description of the powers and duties of the Governing Council;

Persons who receive the wrong ballot due to an error in records will be advised in the information sheets how to obtain the correct ballot;

Persons who receive a ballot due to an error in records will be advised, through advertisements in the campus media, how to obtain the correct ballot;

All eligible voters are entitled to vote, using one ballot:

- members of the teaching staff who hold a non-academic appointment will vote in the appropriate teaching staff constituency;

- full-time students who are employed by the University as teaching assistants, research assistants, temporary library help, or in any other way, will vote in the appropriate student constituency;

- part-time students who are employees of the University may vote in the appropriate student constituency or in the administrative staff constituency, but not in both constituencies;

In the case of two or more ballots being received from any one voter, both being ballots for a constituency in which the voter is entitled to vote, only the first ballot received by the Office of the Governing Council will be considered valid.

Voting in Multiple Seat Constituencies

A voter may vote for up to the number of seats vacant in his constituency.

Balloting by Voters Absent from the Campus

It is suggested that voters who will be absent from campus during the balloting period arrange to have their ballot forwarded to them. Two weeks are allowed for return of ballots.

Ballot Receiving Locations

For the convenience of voters who do not wish to return their ballots through the mail, ballots may be handed in at:

1. Simcoe Hall - Information Desk
2. Sidney Smith Hall - Main Foyer.
3. Erindale College - Registrar's Office.
4. Scarborough College - Registrar's Office.

Ballot Mailing Lists

A list will be available shortly prior to and during balloting for inspection by any person at the Office of the Governing Council at hours convenient to the person and the Office.

Scrutinizing

Scrutinizers shall be appointed by the Governing Council of the University. The decisions of such scrutineers in any matters of contention regarding validity of nominations, voter eligibility, and verification and tabulation of returns, shall be final. In addition, each candidate for election may appoint a scrutineer for the tabulation of returns and such scrutineers may also check the completed verification of ballot returns prior to tabulation.

Ballot Security

All returned ballots will be held in security by the Office of the Governing Council.

Equality of Votes

In the case of an equality of votes for candidates for any office for which only one person is to be elected, the successful candidate shall be determined by a lottery conducted by the Office of the Governing Council.

Irregularities

The election shall not be invalidated by any irregularity which does not affect the outcome of the election.

Announcement of Results

The number of votes received by each candidate will be announced, as will the number of spoiled ballots received.

Retention and Disposal of Ballots and Return Envelopes

All ballots received, and all return envelopes, will be held in security by the Office of the Governing Council for a period of sixty days after the announcement of election results. Any re-count requested by any candidate will be conducted if authorized by the Governing Council of the University. After the period of sixty days all ballots received, and all return envelopes, will be destroyed.

Authority for the Conduct of the Election

The election is conducted by the Governing Council under the authority of the University of Toronto Act, 1971.

Government and the President will make seven appointments

In addition to the election of 15 members to serve on the Governing Council, 7 for three-year terms and 8 for one-year terms beginning July 1 next, seven members will be appointed - two by the President and five by the Ontario government.

The University of Toronto Act, 1971 stipulated that the President each year was to name two officers of the University and its federated universities and colleges who would hold office for one year. Those appointed in 1972 were President John M. Kelly, St. Michael's College, and Principal J. Tuzo Wilson, Erindale College.

The Act also set out that, on first appointment, five of the 16 members named by the government were to serve for one year, five for two years, and six for three years. Those whose terms expire on June

Council agree on President's need for room to manoeuvre

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the task force on appointments before proceeding with the establishment of this body.

Professor Harry Eastman took an opposing view, that Governing Council involvement in the appointment of a group of this kind would put the group in an ambiguous position in relation to the President and the Council. Professor Coutts said that if this Council is going to tell the President whom he must consult before making recommendations to us, we would not know where to stop. The President is entitled to call this group anything he wishes.

Task Force on Academic Appointments

James Lewis, in presenting the report of the Planning and Resources Committee, drew particular attention to President Evans' decision to establish a task force that would review the existing provisions relating to the appointments of both tenured and non-tenured staff, and investigate possible alternatives. This matter had come forward as a by-product of the Budget Committee's procedures. The President had discussed with Mr. Lewis whether the review should be done by a subcommittee of Planning and Resources or of Academic Affairs or whether in the first instance an administrative group should be set up to do the spadework, study alternatives, and come up with recommendations which the President could then take to whichever Governing Council committee was appropriate, and to the Council. Mr. Lewis had advised the latter course of action, and the Planning and Resources Committee were informed of this and endorsed the procedure. It was questioned, however, in the Executive Committee, Mr. Lewis supported the idea of the administrative task force very strongly, on the grounds that the President, as chief executive officer of the University, has the authority to structure and appoint groups advisory to him provided that he does not preempt the authority of the Governing Council to pronounce upon matters of policy. The University of Toronto Act reserves to the Council the right to make appointments but provides that it can only do so on the President's recommendation, thus giving him a special role in connection with appointments. Mr. Lewis added that the wheels could be set in motion more quickly by a group such as the President was establishing, particularly since it was not clear whether Planning and Resources or Academic Affairs would be the right committee to take the lead, and that although the group will be heavily slanted towards the academic staff, chosen in consultation with the University of Toronto Faculty Association, there will be ample opportunity for the other estates represented on the Governing Council to bring their points of view to bear on the policy recommendations.

Mr. Morgan, who had raised the objections in the Executive Committee, believed that this matter constitutes an important precedent for the Governing Council and is not a question of having faith in the President or his recommendations. He said that the composition, terms of reference and individual membership of a body determine what kind of recommendations that body will make. The fact that a flaw in the Council's system makes it difficult for its committees to act quickly does not justify setting up a parallel structure. We should try to change the working of the Council so that it could act quickly. If a matter falls in the purview of more than one committee we should work out some cooperative arrangement. There had been no consultation with the Academic Affairs Committee, and many of its members were present. The President should ask a committee what the terms of reference and personnel of such a group should be. Mr. Morgan moved, seconded by Mrs. Patti Fleury, that the President be requested to consult with the Academic Affairs Committee on the composition and terms of reference of

A sub-committee of Planning and Resources to review the review of the University's information systems was approved.

Professor Dunphy raised the general question of the Governing Council and its committees taking more initiative to do studies and develop policies themselves, rather than reacting to proposals brought forward by the administration. The President said that in view of the enormous number of things to be done, there was really no need for any kind of territoriality. The Chairman, Mr. Harding, hoped that the Council could soon digest itself of much of the detailed material that takes so much of its time and begin originating policy.

St. Michael's College

PROF. ECKEHALD CATHOLY gave a lecture at the Goethe Institute, Athens, Greece, on "Goethe und die menschliche Sprache" (Goethe and the Mimic Language), on Dec. 11.

Architecture

PROF. GERALD HOGG led a two-day seminar at the University of Saskatchewan Regina Campus, Nov. 23-24, on "The Future of Small Communities in the Prairie Region in an Era of Change".

JANUARY 25 DEADLINE

University of Toronto Bulletin is published by the University of Toronto, 35 St. George Street. Except for bona fide emergencies, all material for the next issue should have been in the hands of the editor, Mrs. Winograde Ferguson (928-2102) by noon yesterday. The next editorial deadline is noon, January 25.

Denies obstructing police officer when Simcoe Hall sit-in ended

After hearing evidence during the first three days of this week, Provincial Judge M. J. Cloney on Wednesday adjourned until Jan. 29 the continuation of the trial of Thomas McLaughlin on a charge of obstructing a police officer in the execution of his duty. Mr. McLaughlin, who was a student at the time, is also accused of trespassing.

The charges arise from the eviction by police last March 12 of between 30 and 35 students and others who had occupied the Senate Chamber and other rooms in Simcoe Hall on the night of March 19 in protest against the decision of the Senate to restrict access to the stacks of the John P. Roberts Library when it is opened later this year.

University of Toronto security officers testified that those in Simcoe Hall and anyone who entered it that weekend had been warned that the building was officially closed, that occupation or entry was an act of trespass, and that those who did not leave would be arrested.

One of the 25 Metro Toronto police officers who helped campus police clear the Senate Chamber, Constable Lorraine Annis said he was struck twice on the back of the head and the back of his uniform jacket was seized by someone, as he was trying to subdue Mr. Goldblatt. Constable Raymond Portner said he saw Mr. McLaughlin strike Constable Annis and take hold of that officer's coat. Detective Arthur Lymet testified that, as the police broke into the Senate Chamber, after the forcible removal of a door panel made access possible, he saw Mr. McLaughlin pushing a heavy table barricading the double doors on the inside.

Mr. McLaughlin said he had not been given nor had he heard any warning that he and any of the others in Simcoe Hall that weekend were trespassing and were to leave forthwith or face prosecu-

tion. He denied that he had struck Constable Annis. "I may have touched him, but not with the intention of doing him any injury or to obstruct him", the accused said. He testified that he had approached a policeman who was holding Mr. Goldblatt by the hair, to ask the officer to let go of the student. He insisted that he had not hit, kicked or obstructed anyone.

When the trial resumes on the 29th, Mr. McLaughlin is to continue with his defence.

In another court on Wednesday, the trial of William Getty, accused of assaulting a police officer in the Senate Chamber on March 12, was set for Feb. 5.

UC public lectures to begin on Feb 22

The first in a series of six 1972-73 University College Public Lectures is on Feb. 22 on "Growth and stability: the Athenian view" by Prof. Alan Samuel.

On March 1 is "Towards a definition of the humanities: a physicist's approach" by Principal A. C. Hollis Hallett.

On March 8 Prof. Robert Finch talks on "The French author and public relations 1635-1778".

On March 15 Prof. Phyllis Grosskurth speaks on "Curricula vitae: myth and pattern in autobiography".

On March 22 the topic is "The Greek classics in the tradition" by Prof. J. W. Wevers.

On March 29 Dean R. A. Greene lectures on "Seventeenth-century prophecy, sacred and profane".

The lectures are in West Hall, University College, at 4:10 p.m. Coffee is served at 3:30 p.m.

STAFF NOTES

Applied Science and Engineering

Prof. R. E. Jervis attended the Second International Conference on Forensic Activation Analysis held in Glasgow, Sept. 27-29 and lectured on "Recent Massive Mercury Poisonings in Iraq". He also participated in the International conference on Modern Trends in Activation Analysis held at the French Centre d'Etudes Nucléaires, Saclay, France, Oct. 2 to 6 and had the honor of being named Chairman of the 6th Session of the conference. On Oct. 13, Dr. Jervis gave an invited lecture "Activation Analysis in Clinical, Forensic and Environmental Medicine Today" to the International Society of Radiographers and Radiological Technicians meeting for the first time in North America at the Inn on the Park, Toronto. On Oct. 16 Dr. Jervis was an invited participant to the National Workshop on "Mercury in Man" sponsored by the Department of Natural Resources, Ottawa. He also presented a seminar to the Chemistry Department, Queen's University on Nov. 1, entitled "Nuclear Activation Applications to Chemical, Forensic and Heavy Metal Pollution Problems". He also conducted a lecture workshop session in an instrumental analysis seminar course at Queen's. On Nov. 11 Dr. Jervis lectured to an audience of 50 Chinese students at the Newton Centre, on the subject "Where Science and Faith Meet".

Prof. ANASTASIOS N. VENETANOPoulos has recently attended the IEEE 1972 National Telecommunications Conference held at Houston, Texas. Prof. Venetanopoulos presented a paper in the first session on Marine and Geophysical Applications of Communications on "Signal Design for Stochastic Linear Channel with Additive Colored Noise".

A symposium on the Teaching of Thermodynamics in Engineering was convened at U of T under the chairmanship of Prof. F. C. Hooper on Dec. 18. Thirty professors from 16 universities attended. It was the first meeting of its kind and there was general agreement that it was most successful. Prof. C. A. Ward of Toronto, Prof. G. S. H.

Lock of Alberta, and Prof. T. A. Brzustowski of Waterloo spoke on special topics. There were also several active seminar sessions. The University and the Canadian Society for Mechanical Engineering acted as joint sponsors.

Prof. J. W. TOWNSEND attended the Annual Meeting of the American Institute of Biological Sciences meeting in New York, Nov. 26-30, in conjunction with participation in the meeting of ASME Design Automation Committee, of which he is a member. On Oct 25 he participated in the 1972 Canadian Engineering Design Conference held in Toronto.

Forestry

Prof. J. F. BENTHILL attended the American Institute of Biological Sciences meeting at Minneapolis, and participated in the symposium and field trip on "Fire Ecology", Aug. 24-31.

Prof. D. V. Lovell attended the annual meeting of the Ontario Provincial Foresters Association held in Ottawa, Nov. 13 and 14. He also attended the meeting of the Directors of the Ontario Lumber Manufacturers Association in Timmins on Nov. 24.

Prof. J. W. B. SIAM attended the Seventh World Congress of Forestry in Buenos Aires, Oct. 4-15, and presented a paper "Applying the Findings of the First World Consultation of Forestry Education and Training". Co-authors of the paper were J. KOZMIK, Poland, and M. L. S. B. RUKUBA, Uganda.

While in Buenos Aires he attended meetings of the F.A.O. Advisory Committee on Forestry Education, of which he was the Chairman 1969-70.

Prof. W. A. G. MONKINS attended the annual meeting of the International Plant Propagators' Society, Eastern Region, held at Hartford, Conn. Dec. 6-8.

Prof. V. C. SMITH attended the Phase II Workshop of the Forestry Curriculum Development Project at Carrollton, Ky. Nov. 8-10. Prof. M. A. PRESTON was a member of "Teaching Forest Management" at "Teaching the Northeastern Forest Biometry Symposium held at the Petawawa Forest Experiment Station on Dec. 13.

Dr. R. JAAKSON presented a paper on "Teaching in Recreation Planning" at the Faculty of Environmental Studies, University of Waterloo on Nov. 13. He also visited

the Saskatchewan Department of Environment in Regina, Dec. 4-5.

Pharmacy

Prof. G. R. PATERSON attended the IX Panamerican Congress of Pharmacy and Biochemistry at Panama, Nov. 26-Dec. 2 as Canadian delegate and as a Director of the Panamerican Federation of Pharmacy and Biochemistry. In the closing session he was reelected for his fourth three-year term as a Federation Director.

Hygiene

DR. RICHARD BUCOVE was the recipient of the Arthur T. McCormick Award presented by the Association of State and Territorial Health Officers during a recent ceremony in Washington, D.C. The award was given for "outstanding years of service" in the field of public health, his unselfish devotion to the ideals of sound public health practices and his constructive leadership.

PROF. G. H. BEATON presented lectures to the Department of Epidemiology, University of Sherbrooke Medical School, Nov. 21, 22 and the Institute of Family and Community Studies, University of Guelph, Nov. 28, on "Pesticide Calorie Malnutrition: A Current Perspective". On Nov. 18 he attended a meeting in New York City concerned with the planning of an International Conference on Ascorbic Acid.

DR. H. MOCHADAM was an invited delegate at the National Conference on School Health in Ottawa on Nov. 29-31.

DR. J. P. RUMMEL was in Manila from Nov. 20-29, to serve as a consultant on health planning to the Western Pacific Regional Office of the World Health Organization. On Nov. 21 he participated in a panel on community health centres at a study session of the Eastern Canada divi-

sion of the American College of Hospital Administrators. He visited the Sudan from Dec. 16 to 22 to observe the use of low-level auxiliary personnel in the health services and to meet with the staff of the Ministry of Health and the Faculty of Medicine in Khartoum and Omdurman. On Dec. 29 Dr. Rutherford served as Chairman of a session of the Health Economics Research Organization on "Health Economics Research and Research Opportunities in Canada" at the 1972 meeting of the Allied Societies of the Americas in Toronto.

At the joint meetings of the Entomological Societies of Canada, America and Oceania, held in Montreal, Nov. 26-30, DR. SUSAN MCLEVER gave a paper, "Sensory Receptors of Mosquitoes", in the Symposium, Sensory Perception in Medically Important Arthropods and delivered an invitational paper, "Significance of Behavior and Ecology of the Biting Fly Populations to Control Methodology".

DR. R. J. STEPHARD was an invited participant in the Canadian Academy of Sports Medicine Grey Cup Medical Symposium at McMaster University on Dec. 2, speaking on the theme "Sport in the Modern World - Changes and Problems". Highlights of the 20th Olympic Congress were discussed. He also attended the Federal Conference on "Fitness and Health" (Ottawa, Dec. 4-6), chairing the session on "Exercise and Stress" and the workshop on "Exercise Testing".

Management Studies

PROF. R. F. MONROE has been selected to direct a five year program of research into the problems of mid-career change for managers.

PROF. J. V. POAFT was a member of a panel on "Canada's New REIT-Type Institutions", at The Property Forum, Toronto, on Oct. 18.

Summer accommodation offered for education-oriented organizations

During the summer months, the University of Toronto offers rooms in residences and many other advantages for education-oriented groups which each year use the St. George Campus for conferences, seminars, professional and industrial training courses and educational tours.

The advantages of holding summer events at the University of Toronto are life in a university atmosphere, economical room rates, the availability of suitable meeting places for a variety of programs, food and beverage services, including special luncheons, banquets and other social functions; accessibility to faculty on campus, and centrality of location in the heart of the city.

Between the end of May and the beginning of September, there is accommodation for 2,500 persons in University and federated college residences.

"We have had splendid support from our faculty in recommending the University of Toronto to scholarly and professional organizations as the place in which to meet and stay in the summer", says Alex Malcolm, Director of Administrative Services. "We hope we will continue to have their backing so that University facilities are used to the full at all times."

In the past three years, the number of visitors accommodated in residences on campus between May and September has nearly tripled. They represent a wide cross-section of activities, including such groups as the Ontario Institute of Architects, the Institute for International Co-operation, Michigan Entomological Society, the Association for the Advancement of Baltic Studies, Guild of Carl-

loneurs, Canadian Standards Association (which attracted visitors from all over the world), planetarium directors, the Geological Congress, an international geographical symposium, Ontario Crown Attorneys, International Association of the Environment, associations of mineralogists, biologists, physicians, nurses, physiologists, and chemists.

Information is available from Jack Bromley, Administrative Services, Simcoe Hall, telephone 928-2209. Enquiries should be made early, as major groups make reservations years ahead. Although the booking of space for meetings is done through the Office of Statistics and Records, and reservations for living accommodation by Administrative Services, Mr. Bromley will be glad to act on requests for information about both.

Dr Hodgetts is honored by Victoria University

Retiring President Dr. J. E. Hodgetts was given a farewell party in December by members of the Board of Regents of Victoria University and his portrait by Caukiv was presented to the University by Mr. Wansbrough and received by Principal J. M. Robson. Mrs. Hodgetts was presented with a desk top size copy of the portrait.

Representatives of the student body, the faculty, the alumni association and the board presented Dr. Hodgetts with gifts in appreciation of his outstanding service as Principal and President.

He left office at the end of December, and after a sabbatical leave, will return to the Department of Political Economy.

Prof Jill Conway will teach course on the history of women

Prof. Jill Conway, who has recently been appointed Vice-President, Internal Affairs, will teach one of two courses offered by the Division of University Extension this winter.

The two degree credit courses in Women's Studies offered are "Topics in the History of Women from the Fifteenth to the Twentieth Century" and "Oppression and Liberation".

Prof. Conway will teach the history course, which examines family structure and demographic patterns, female par-

icipation in the labour force and in religious and political movements, changes in sex roles, in attitudes towards women and in female consciousness of both European and North American society.

"Oppression and Liberation", an interdisciplinary Studies course, is aimed to develop an understanding of the position of women in Canada today. Women and the media, the family, sexuality, the workforce and revolution will be studied in historical, cross-cultural, and contemporary contexts.

Appointed & Promoted

Arts and Science

Prof. Jacob Spelt has been appointed chairman of the Department of Geography effective July 1 next.

Holland born Dr. Spelt studied in Utrecht in the fields of geography and social sciences. He studied at the University of Wisconsin and a Whitbeck Fellowship, and earned his M.A. in 1947. He received the Ph.D. from the University of Utrecht in 1955.

Dr. Spelt joined the U of T in 1948 as lecturer, rising to the rank of professor in 1962. He has been president of the Canadian Association of Geographers, and honorary president of the Ontario Geography Teachers' Association.

Other activities have included spring term 1967 visiting professor, University of Marburg, West Germany; in 1968 a visit to India, Southeast Asia and Japan; and in 1971 a study of urbanization in Nigeria and Ghana.

Prof. Spelt is the author of *The Urban Development in South-Central Ontario*, 1972, and with Dr. Donald Kerr, of *The Changing Face of Toronto*, 1965, and *Toronto*, forthcoming.

Administration

MAURICE MURRILL, who has been involved in the University's budget planning and operations for several years - most recently as Senior Budget Officer - assumed the full-time post of Comptroller for Scarborough College on Jan. 1.

The development and growth of Scar-



Professor Spelt

borough College have made desirable the appointment of a senior financial administrator. Mr. Murrill is well equipped for this task. Although his formal appointment took effect last September, Alex G. Rankin, Vice-President, Business Affairs, and Principal Ralph Campbell agreed that Mr. Murrill would remain as acting Senior Budget Officer during the exacting interpretation of the 1973-74 target budget. Mr. Murrill now devotes his full time to the Scarborough operation.

Study groups to present views to the Medical Research Council

All academic staff, research workers, and graduate students in the health sciences are invited to attend a meeting at which Dr. G. M. Brown, President of the Medical Research Council, will speak on MRC policies.

The meeting will take place on Wednesday, Feb. 7 at 4:30 p.m. in the Auditorium (Rm. 2158) of the Medical Sciences Building.

On Feb. 7, 8, and 9 there will be a series of conferences in which various study groups from the University of Toronto will present policy recommendations to Dr. Brown and his colleagues. These conferences will take place in the

conference room on the 4th floor of the Charles H. Best Institute. The times and subjects are:

Wednesday, Feb. 7, 9:30 a.m.-12.30 p.m., grants policies

Thursday, Feb. 8, 9 a.m.-10.30 a.m., grants policies.

Thursday, Feb. 8, 10.30 a.m.-12.30 p.m., MRC priorities and general policies.

Friday, Feb. 9, 9 a.m.-10.30 a.m., associateships and scholarships.

Friday, Feb. 9, 10.30 a.m.-12 noon, fellowships and studentships.

All members of the health sciences community are invited to attend as observers.

Symposium on the influence of the scientist on science policy

A symposium entitled "The Influence of the Scientist on Formation of Science Policy in Canada" will be held in the main lecture theatre of the Toronto General Hospital on Saturday, Feb. 10, from 9 a.m. to 5 p.m. This has been planned by the Toronto Biochemical and Biophysical Society to coincide with the visit to the University by Drs. Brown, Taylor and Layne of the Medical Research Council.

The program of the symposium is as follows:

Chairman: Dr. L. Siminovitch, U. of T. 9 a.m. - Dr. Andre Bouchard, Secretary, Ministry of State for Science and Technology: "Existing Mechanisms of Formation of Science Policy in Canada"

9:45 a.m. - Dr. G. Malcolm Brown, President, MRC: "MRC: Policy Maker and Policy Instrument"

11 a.m. - Dr. Douglas G. Hartle, Deputy Secretary, Treasury Board: "Federal Finances and Science Policy"

11:45 a.m. - Jeff Carruthers, Science Editor, Ottawa Journal: "The Lay Public and Formation of Science Policy"

1:30 p.m. - Dr. J. Gordon Kaplan, University of Ottawa: "Scientists and the Formation of Science Policy - Basic Research Viewpoint"

2:15 p.m. - Dr. Jim E. Till, Ontario Cancer Institute: "Scientists and the

Formation of Science Policy - Mission Oriented Research Viewpoint"

3:30 p.m. - Dr. Patrick D. McTaggart-Cowan, Executive Director, Science Council: "How Scientists Can Influence Science Policy"

4:15 p.m. - General Discussion

5 p.m. - Closing Remarks.

Accommodation

Available June, 1973 to September, 1974, large furnished house downtown, near Sherbourne and Dundas. Three floors, high ceilings, pine floors, full cellar, back yard. Recently redecorated. \$300 per month. 921-0698.

House for rent, 3 bedrooms, finished basement, fireplace, furnished or unfurnished, close to Don Mills Centre and Don Valley Parkway. April, 1973 to August 31, 1974. Please call 444-220.

From Aug. 1, 1973 to July 31, 1974, three or four bedroom house or duplex for family including three boys (aged 12, 10, 8) and quiet considerate dog. Areas preferred are (1) Borough of Etobicoke between Bloor St. and Dixie Road; (2) Town of Mississauga south of Highway 401 and north of Dundas; (3) Borough of North York, west of Keele St. Please reply to P. F. Adams, 4032-120 St., Edmonton, Alta.

AN ASSESSMENT AT 100

Top jobs in many fields taken by our Engineers

March 29 is the 100th birthday of formal Engineering education at University of Toronto, making this an appropriate time for the Faculty of Applied Science and Engineering to do some stock-taking.

While most University of Toronto engineering graduates start their careers in jobs related to their field of initial specialization, a large proportion of them end up as presidents or vice-presidents of companies or in other senior executive or managerial positions. It seems no exaggeration to say that engineers, more than any other single profession, have made Canada the great trading nation that it is.

A recent career profile study of the 16,000 living U of T Engineering graduates shows that, 20 years from graduation, more than 65 per cent of them acquire managerial responsibilities ranging from that of senior engineer to chief executive. Graduates hold presidencies of some of the largest Canadian corporations, ranging from mines to chemicals to steel, manufacturing and banking. They also constitute one quarter of all the registered professional engineers in Ontario. Some 6,200 of them practise in Metro Toronto, 5,700 in other parts of Ontario, 2,000 outside Ontario in Canada, 1,500 in the United States, and 600 others in places outside continental North America.

The profile study was commissioned by the Engineering Alumni Association as a Centennial project. It was based on a questionnaire sent to every graduate whose address is known. The purpose was to gain a better understanding of how careers progress from graduation, how the organizational structures within which engineers work are changing and how Toronto graduate engineers disperse throughout the economy and the labor force. The results will be used by the Faculty in the design of future curricula and will guide counsellors in advising young people on engineering career alternatives. They should also be useful to manpower planners in developing a closer match between the supply of and the demand for various categories of engineers.

It is interesting to note that, since the first student graduated in 1881, a total of 18,551 diplomas and bachelor degrees have been awarded by the school. In addition, masters' degrees and doctorates were conferred.

A study of the period 1851-1971 shows that the largest number of diplomas and bachelor degrees, 3,777, went to Mechanical engineers, with Civils, at 3,582, a close contender. There were 3,159 in Electrical, 2,831 in Chemical, 1,538 in Engineering Physics/Science and Aeronautical Engineering and 1,103 in Industrial Engineering and Engineering Business. In addition to these, there were 939 graduates in Mining, 579 in Metallurgy and Ceramics, 245 in Geology, 222 in Architecture (the last was in 1947) and 66 in Analytical and Applied Chemistry, a course that was withdrawn in 1920.

Another interesting fibbit from the statistician shows the distribution of U of T Engineering graduates who are also members of the Association of Professional Engineers of Ontario. As of 1971, 4,810, or 55.5 per cent, were in industry, 1,000 in consulting capacities, 902 in either the Federal or Provincial Governments, 627 in education, 580 in public utilities and 240 were employed by municipal authorities.

A surprising fact that has emerged from the answers received is that 40 per cent of graduates seem to regard their period with the Faculty as "education" but not as training for a specific job in their own specialization. They do not enter their chosen branch of engineering, even initially on graduation.

There has been a rapid decline in the number of engineers in secondary manufacturing industries of late, including

those engaged in the manufacture of durable and non-durable goods and in construction. There is also a decline in those in resource extraction. In contrast to these trends, engineers increasingly migrated to jobs in the tertiary, or service, sector. This includes consulting, education, government, utilities, communications, transportation, finance and business, personal or community services. The facts do indicate that Canada is moving towards a post-industrial society.

It is interesting to see how the frontiers of technological activity have shifted in emphasis. Many of the early nation builders were railroad engineers and James L. Morris, '81, the very first of our engineering graduates, spent five years in construction work with the CPR in the foothills of the Rockies and later in Northern Ontario. Opening a private practice in Penroke (where he served as mayor for several terms), he became an authority on drainage and among other achievements, laid out the site of Sudbury. Later, he became chief engineer and inspector of surveys on the Ontario Department of Lands and Forests. He was author of "Indians in Ontario", an official history, and wrote many historical articles.

Dr. Phil Lapp, another Engineering graduate, recalls that when Morris came up to Toronto from the Ottawa valley, he tried to enrol in University College but found there were no special lectures and no drafting rooms in the course he had chosen. "You'd better cross the lot to that red building where they are starting up a School of Practical Science", he was told by the registrar. He was sure a mistake had been made and that he would never be a U of T graduate. In 1927, however, the University conferred upon him the honorary degree of Doctor of Engineering.

Many other Toronto graduates contributed to the spread of the railroads as chief engineers of the CPR or CNR or as engineers of bridges. F. V. Seibert '09 as superintendent of natural resources and development and then as industrial commissioner of the CNR, while another, A. R. Raymer, '84, became director of nine subsidiary U.S. railroads and president of four of them.

Schoolmen were and still are active in aviation, too. Notable among all the pioneers, J. A. D. McCurdy, '07, achieved many "firsts". With his Silver Dart biplane he was the first to make a powered flight over British territory. He missed so narrowly being the first to fly from the mainland to Cuba that he was awarded \$8,000 in prizes just the same and, that same afternoon, after being pulled out of the ocean after his oil had run out, he put on a fabulous display of aerobatics for his Cuban audience.

Other Toronto engineers were destined later to make tremendous contributions to the further development of the aeroplane, the jet engine and to space flight. They also made formidable contributions to the development of peaceful applications of atomic energy, both here and in Britain as well as, later, in India and Pakistan, to communications and to the mapping of this great country. They took leading roles in the design and construction of major hydroelectric and thermal power stations and in water transit systems like the Seaway complex. The innovations they introduced into the mining and refining industries were in a major way responsible for the part that these industries have played in making Canada the rich country that it is.

Scarborough Design Award

Scarborough College has won a Design Award, the first such award sponsored by the Scarborough Planning Board. The presentation was made at a dinner at the Scarborough Golf and Country Club on Nov. 16.

COMING EVENTS

JANUARY

19 FRIDAY

Seminar
Transportation

Colloquium
Chemistry

20 SATURDAY

Lecture
Herpetology

21 SUNDAY

Films
"Fossil Reptiles of the Dinosaurian Age in Arctic Canada". Dr. Dale Russell, National Museum, Ottawa. Convocation Hall. 8:15 p.m. (Royal Canadian Institute)

22 MONDAY

Seminar
Education

23 TUESDAY

Lectures
Religion

Ecology

Colloquium
Mathematics

Seminar
Neuroscience

24 WEDNESDAY

Lectures
Christianity

Housing

Seminar
Education

Music

Meeting

Films

25 THURSDAY

Lectures
Music

Christianity

Criminology

Seminar
Geophysics

Meeting

Theatre

26 FRIDAY

Lecture
Christianity

Seminars
Political Science

Medicine

Supper

27 SATURDAY

Regional Seminar
Medieval

Lecture Botany

28 SUNDAY

Films

Music

"Development for Research in Transportation". Prof. R. Wolff and Prof. R. Rice, Centre for Urban and Community Studies, Room 111, 12:30 p.m. (Bring your own lunch) (CUCS)

"Structure, Bonding and Reactivity of Coordinated Hydrocarbons". Prof. J. Powell. 158 Lash Miller Chemical Laboratories. 4 p.m. (Chemistry)

"Fossil Reptiles of the Dinosaurian Age in Arctic Canada". Dr. Dale Russell, National Museum, Ottawa. Convocation Hall. 8:15 p.m. (Royal Canadian Institute)

Sunday Free Films, "Kompani Bilong Yumi", and "People Out of Time". ROM Theatre, 2:30 p.m. Free with Museum admission.

"U.T.S. and Research in Education". Prof. R. C. Goode, Room 225 COE. 2 p.m. (Education)

The Laidlaw Lectures, second in series of six Tuesday lectures on "Eating and Drinking with Jesus: An Ethical Interpretation" by Dr. Arthur C. Cochran, Professor of Systematic Theology, Pittsburgh Theological Seminary. "The Commandment to Eat and Drink". 4 Knox College. 4 p.m. (Knox College)

"The Ecological Implications of C₆ and C₅ Photosynthetic Physiology". Prof. A. T. Harrison, Department of Botany, University of Wyoming Room 7, Botany Building. 5 p.m. (SCS and Botany)

"Triangular Operator Algebras". Dr. A. Hopenwasser. 2117 Sidney Smith Hall. 4:10 p.m. (Mathematics)

"Cerebral Metabolism and the Hydrogen Ion". Dr. V. McMillan, Toronto General Hospital, Department of Neurology. 2172 Medical Science Building. 5 p.m.

"Jesus on trial: Who are the witnesses? First of three lectures by Dr. Leighton Ford, Vice-President, Billy Graham Association. 1 p.m. Convocation Hall (Leighton Ford Lectures)

"High Rise versus Low Rise Housing". Mrs. Ingrid Gehl, psychologist, Danish Building Research Institute, Room 103, 230 College St. 12:30 p.m. (Architecture)

Agencies for Higher Education in Ontario series: Speaker: Norman A. Siseo, Chairman, Ontario Council of Regents for Colleges of Applied Arts and Technology, Room N201, OISE. 3:30 p.m. (Higher Education Group)

"Falstaff" by Verdi – Opera Department Production. Tickets \$3. Students \$1.50. Jan. 24, 26, 27 and 29, 8 p.m. Cheques payable University of Toronto; enclose stamped addressed envelope.

Victorian Women's Association – "The Doomsday Pageant of York and Other York Reverses". Prof. A. F. Johnston. 150 Charles St. West. 2 p.m.

Duncan Grant at Charleston", a half-hour film on the Bloomsbury Group. 104 U.C. 4 p.m. Everyone welcome. (Undergraduate and Graduate Departments of English, and Fine Art)

National Film Board Series, "Sabre and Foil", "Les Fleurs De Macadam", "A Little Fellow From Gambo". ROM Theatre, 7 p.m. Free

"Opera in the United States". Sir Rudolph Bing, former General Manager, Metropolitan Opera, New York. Concert Hall, Edward Johnson Building. 2:10 p.m. Free (Music)

"Jesus on trial: What is the evidence? Dr. Leighton Ford. 1 p.m. Convocation Hall (Leighton Ford Lectures)

"Environmental Design and the Prevention of Behavioural Disorder and Criminality". Prof. C. Ray Jeffery, Florida State University; Vice-President, American Society of Criminology; editor of *Criminology*, Auditorium, Addiction Research Foundation, 33 Russell Street. 7:30 p.m. (Criminology and SCS)

"The Physical Nature of the Earth and the Relation to the Revolution in the Earth Sciences". Principal J. T. Wilson. 102 McLennan Physical Laboratories. 4:10 p.m. (Physics)

University Arts Women's Club, "City Lib? The Fate of Reform in Toronto". Prof. Steven Clarkson. St. Thomas Church Parish Hall. 383 Huron St. 1:45 p.m.

"Hamlet", directed by Martin Hunter. Jan. 25 to Saturday, Feb. 3 (no performance on Sunday or Monday). Hart House Theatre. \$2.50; students \$1.25 (928-8668) (Drama Centre)

"Jesus on trial: What must the verdict be? Dr. Leighton Ford. 1 p.m. Convocation Hall (Leighton Ford Lectures)

"The Toronto Reform Movement: A Case of Political Change". Prof. S. Clarkson. Copy of *City Lib* may be borrowed from Centre for Urban and Community Studies by calling 928-7161. Centre for Urban and Community Studies, Room 103, 230 College St. (CUCS)

"Homeostasis, Adrenergic Cycles". Dr. Martin Roddick, Chief Section on Mammalian Reproductive Laboratory of Nutrition and Endocrinology, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda. 417 Best Institute. 2 p.m. (Banting and Best)

Buffet Supper. Reception 5:30-6 p.m. Buffet 6-8:30 p.m. Faculty Club.

"The Aesthetics of Difficult Literature in the Middle Ages". Mott Count Faculty of Law 2 p.m. (Registration begins at 1 p.m.) These separate papers will be presented: by Sister Frances Nims; "Translating Difficult Statement in the *artes poeticae*" by Sister Frances Nims; "Allegory, Prefabrication, and Renewal in the *Anticipations* of Alan of Lille" by Prof. Brian Stock; "The Difficult in Hiberno-Latin Literature" by Prof. Michael W. Herren, Atkinson College, York University. General discussion will follow. (SCS and Medieval Studies)

"The Story of South African Flowers". Dr. N. P. Badenhuizen. Convocation Hall. 8:15 p.m. (Royal Canadian Institute)

Sunday Free Films, "Pan", "The Music Machine", "Constructing and Playing a Split-Ling Xylophone", "The Compton Organ at Fredericksburg Castle", and "I Am a Guitar". ROM Theatre. 2:30 p.m. Free with Museum admission.

The Czech String Quartet. Great Hall, Hart House. 3 p.m. Free

29 MONDAY

Seminars
Education
Library Science

Environment

"Computers in Education – Their potentials and limitations". Prof. T. E. Hull, Room 225 COE. 2 p.m. (Education)

"The Concept of Citation Indexing". Robert Shank, Senior Marketing Representative for the Institute for Scientific Information, New York. Lecture Theatre, 140 St. George St. 2:45 p.m. (Library Science)

"Problems of Environment in Research in Canada". Dr. F. K. Hare, Director General, Research and Coordination, Department of Environment, Ottawa. 211 Hautlin Building. 4 p.m. (Environmental Sciences and Engineering)

30 TUESDAY

Lectures
History

Religion

"The North American Urban Frontier". Prof. Gil Stelter, Department of History, Laurentian University. 1022 Sidney Smith Hall. 4 p.m. (History)

The Laidlaw Lectures on "Eating and Drinking with Jesus: An Ethical Interpretation" by Dr. Arthur C. Cochran. "Eating and Drinking in Remembrance of Jesus" (Part 1). 4 Knox College. 4 p.m. (Knox College)

Seminars
Neuroscience

"Human Memory and Hemispheric Specialization". Dr. Brenda Milner, Montreal Neurological Institute and Department of Neurology and Neurosurgery, McGill University. 2172 Medical Sciences Building. 5 p.m.

31 WEDNESDAY

Lecture
Housing

Seminars
Courts & Trials
Education

Urban History

Films

"Life Between Houses". Jan Gehl, School of Architecture, Royal Danish Academy, Copenhagen. Room 103, 230 College St. 12:30-2 p.m. (Architecture)

"Theories of Conflict Resolution and the Law". Prof. Anatol Rapoport. Falconer Hall. 12:30 to 2 p.m. (Law)

Agencies for Higher Education in Ontario series: Speaker: John B. Macdonald, Executive Director, Council of Ontario Universities, Room N201, OISE. 3:30 p.m. (Higher Education Group)

"Urban History and Urban Studies: The Canadian Context". Prof. Gil Stelter. Upper Library, Massey College. 8 p.m. (History)

National Film Board Series, "Labrador Hospital", "Where There's Smoke", "Legend", "St. Urbain in Troyes". ROM Theatre, 7 p.m. Free

FEBRUARY

1 THURSDAY

Music

Recital by Faculty of Music Student Composers. Concert Hall, Edward Johnson Building. 2:10 p.m. Free (Music)

2 FRIDAY

Seminars
History

Lecture
History

"Literacy and Social Attitudes in 17th- and 18th-Century Anglo-America". Prof. Kenneth Lockridge, Department of History, University of Michigan. 2053 New College. 11 a.m. (History)

"The Myth of Uniqueness in Early American History". Prof. Kenneth Lockridge. 2117 Sidney Smith Hall. 3 p.m. (History)

3 SATURDAY

Lecture
Zoology

Films

"The Spruce Budworm and its Impact on Eastern Canadian Forests". Dr. Carl E. Atwood. Convocation Hall. 8:15 p.m. (Royal Canadian Institute)

4 SUNDAY

Open House

Films

Faculty of Dentistry, 124 Edward St. Demonstrations and displays; refreshments. 1 to 4 p.m. (Dentistry)

Sunday Free Films, "Eskimo Artist – Kenoujak", and "The Drifting of the Continents". ROM Theatre, 2:30 p.m. Free with Museum admission.

5 MONDAY

Seminars
Education

Religion

The Sixth Ray F. Farquharson Memorial Lecture, "Epilepsy and Brain Metabolism". Dr. Fred Plum, Professor of Neurology, Cornell University Medical College. 3154 Medical Sciences Building. 5:30 p.m.

"Paternity in the Judeo-Christian Tradition". Prof. David Bakun, York U. Response by Prof. Gordon A. B. Watson, U. of T. Rhodes Room, Trinity College. 4:15 p.m. (York and U of T Religious Studies)

The Laidlaw Lectures on "Eating and Drinking with Jesus: An Ethical Interpretation" by Dr. Arthur C. Cochran. "Eating and Drinking in Remembrance of Jesus" (Part II). 4 Knox College. 4 p.m. (Knox College)

7 WEDNESDAY

Lecture
Urban Design

Seminars
Education

Meeting
Health Sciences

"On Urban Design I – Revival of the Street". Jan Gehl. Room 103, 230 College St. 12:30-2 p.m. (Architecture)

Agencies for Higher Education in Ontario series: Speaker: J. M. Porter, President of Sheridan College and Chairman, Committee of Presidents of Colleges of Applied Arts and Technology. Room N201, OISE. 3:30 p.m. (Higher Education Group)

Dr. G. M. Brown, President of Research Council, will speak on MRC policies. 2158 Medical Sciences Building. 4:30 p.m. For details of conferences on Feb. 7, 8 and 9, see article on p 5

8 THURSDAY

Lectures
History

Music

"The Protestant Reaction to the St. Bartholomew's Day Massacre (1572) and the Catholic Reaction to the St. Bartholomew's Day Massacre". Faculty Club. 41 Willocks Street, second floor. 8:00 p.m. Prof. Robert M. Kingdon, Department of History, University of Wisconsin. (History, Renaissance Studies, Toronto Renaissance-Reformation Colloquium)

Thursday Afternoon Series. Lecture-Preview "History of the Avant-Garde". Richard Bunger, piano. Concert Hall, Edward Johnson Building. 2 p.m. No tickets, free.

Thursday Evening Series. Richard Bunger, pianist. Concert Hall, Edward Johnson Building. 8:30 p.m. Tickets \$4.00 (Student \$2.00)

9 FRIDAY

Supper

Films

"The Protestant Reaction to the St. Bartholomew's Day Massacre (1572) and the Catholic Reaction to the St. Bartholomew's Day Massacre". Faculty Club. 41 Willocks Street, second floor. 8:00 p.m. Prof. Robert M. Kingdon, Department of History, University of Wisconsin. (History, Renaissance Studies, Toronto Renaissance-Reformation Colloquium)

10 SATURDAY

Symposium
Science

Lecture
Arctic Energy

Films

"The Influence of the Scientist on Formation of Science Policy in Canada". Speakers: Dr. A. Beaunes, G. M. Brown, D. G. Hartle, Mr. J. Carruthers, Drs. J. G. Kaplan, J. E. Till and P. D. McTaggart-Cowan. Auditorium, Toronto General Hospital. 9 a.m. to 5 p.m. For details see page 5

"Energy From the Arctic". A. Earle Gray, Director of Public Affairs, Canadian Arctic Gas Study Limited, Toronto. Convocation Hall. 8:15 p.m. (Royal Canadian Institute)

11 SUNDAY

Films

Sunday Free Films, "The Story of Paper Making", "Day After Day", and "Nooce du Papier". ROM Theatre, 2:30 p.m. Free with Museum admission.

(See page 7, col. 3)

Shell Canada makes possible a chair in organization behaviour

A chair in organization behaviour and development is being established in the Faculty of Management Studies at the University of Toronto, funded by \$200,000 in donations by Shell Canada Ltd.

Dean John Crispo said that Prof. Robert J. House, 40, has accepted his offer of the Chair. Dr. House was previously professor of management at Bernard M. Baruch College, City University of New York.

Dr. Crispo said he was very gratified by Shell Canada's commitment to donate \$40,000 annually over a five-year period. "It will further graduate research and teaching in an area of Canadian business that is definitely underdeveloped," Dr. Crispo said. "Without this kind of help, it is most difficult to recruit and retain professors of Dr. House's calibre."

John P. Boulton, president of Shell Canada, said, "Up until now, most of the work in behavioural science — that is, the reasons why people behave or perform in certain ways in the environment we call work — came from other countries. We think that there may be enough differences in the make-up, attitudes and culture of the Canadian people to warrant Canadian research. We are particularly pleased, therefore, to support the kind of work that Dr. House plans to do."

"The business community has no wish to interfere in the content of courses in management studies, but we would encourage an effective liaison between business and the university to help achieve some consonance between what is being practised and what is being taught."

Black holes in sky really exist astronomers are now convinced

A University of Toronto professor of astronomy who first offered observational evidence of the existence of "black holes" to explain certain phenomena in the night sky is now even more sure that black holes really exist.

In *Nature*, the most venerated of British scientific journals, Dr. Tom Bolton of the David Dunlap Observatory and Erindale College says that new evidence collected by himself and by astronomers elsewhere, including the University of Moscow and the Dominion Astrophysical Observatory in Victoria, B.C., supports his earlier interpretation and that of colleagues in Britain.

The observations relate to a star known as HDE 226868 that is believed to be coincident with the X-ray source of Cygnus X₁ and a weak variable source of radio energy.

In December, 1971, Dr. Bolton gave an account to a meeting of the American Astronomical Society in San Juan, Puerto Rico of the observations that in his view constituted the first practical evidence supporting earlier theories of the existence of black holes. Before his report was able to appear in print in February, 1972, two British astronomers, Dr. Paul Murdin and Dr. B. L. Webster, working at the Royal Greenwich Observatory at Hurnstoneux in Sussex, reported in *Nature* observations of their own that also supported the theory.

The interpretations at that time advanced by the two groups did not pro-

pose the only possible explanations of the data then available, as both groups then indicated. From all over the world astronomers voiced opinions both for and against them, and it was recognized that any final opinion would have to await the collection of additional data.

In his latest report to *Nature*, Dr. Bolton expresses the opinion that the data he and others have since collected now answer the question. One black hole theory proposes the existence of a binary or two-star system in which mass from a visible star is being continually drawn to a much denser neighbouring star by gravitational attraction. It further proposes that this gravitational attraction is so strong that even light particles cannot escape the field to provide visual evidence of its existence. The only radiation that is able to escape from the approximate area of the second star is that of high energy X-rays, generated from matter as it is sucked towards the star and heated to extremely high temperatures. Thus, the observed presence of an X-ray source near to, but apparently not coincident with, the primary star suggested the presence of a secondary.

The latest evidence to support the presence of a second star and indicate its mass is of an indirect sort. Firstly, information regarding the orbit of the primary star has been refined to the point where observed variations in orbital velocity seem clearly to confirm the existence of a massive secondary, and are also sufficiently precise to give some indication how big it is. The 'second form of evidence relies on study of variations in light reaching earth from the primary star. These reveal tidal forces that distort the shape of the star in a way that clearly indicates the presence nearby of a body that is exerting a strong gravitational attraction.

Dr. Donald MacRae, director of the David Dunlap Observatory, comments that "the latest observations and the deductions that they have made possible constitute an interesting confirmation of the existence of these strange and paradoxical objects, the so-called black holes".

Massey College Visitor is Hon Dalton C Wells

The Hon. Dalton Courtright Wells, Chief Justice of the High Court of Ontario, has accepted the invitation of the Master and Fellows to become a Fellow of Massey College and to act as its Visitor for five years, from Jan. 1, 1973.

The office of Visitor has been vacant since the death of the Right Hon. Vincent Massey in 1967.

COMING EVENTS

FEBRUARY (Continued from page 6)

12 MONDAY

Lecture
Nutrition

13 TUESDAY

Lecture
Religion

14 WEDNESDAY

Lecture
Engineering

15 THURSDAY

Seminars
Courts & Trials

Education

16 FRIDAY

Lecture
Ophthalmology

17 SATURDAY

Lecture
Education

18 SUNDAY

Films

20 TUESDAY

Seminar
Neuroscience

21 WEDNESDAY

Seminars
Courts & Trials

The Hoffman La Roche — Nutrition Society of Canada Lecture, "Nutrition Opportunity and Human Genetics". Dr. Charles R. Scriver, Professor of Pediatrics, McGill University, Montreal Children's Hospital, 3153 Medical Sciences Building, 8 p.m. (Hygiene)

"The Problems of Interdisciplinary Activity", Prof. Arthur Porter, Room 255 COE, 2 p.m. (Education)

The Laidlaw Lectures on "Eating and Drinking with Jesus: An Ethical Interpretation" by Dr. Arthur C. Cochrane, "Eating and Drinking in Remembrance of Jesus", 4 Knox College, 4 p.m. (Knox College)

"Stereotaxis Amygdala Surgery for Behaviour Problems and Epileptic Seizures", Dr. Hiro Narabayashi, Juntendo Medical School and Director, Neurological Clinic, Tokyo, 2172 Medical Sciences Building, 5 p.m.

Second in Centennial Lecture series — "Energy and Power — The Next Hundred Years", Prof. Earl Cook, Dean, College of Geosciences, Texas A & M. Convocation Hall, 1 p.m. (Applied Science and Engineering)

"The Courts and Economic Policy", Prof. David Deedes. Falconer Hall, 12.30 to 2 p.m. (Law)

Agencies for Higher Education in Ontario series: Speaker: Prof. Greg W. Bennett, Executive Vice-President of the Confederation, Ontario Confederation of University Faculty Associations, Room N201, OISE, 3.30 p.m. (Higher Education Group)

Walter Wright Lecture — "The Ocular Vasculopathies", Dr. Frank W. Newell, Chairman, Department of Ophthalmology, Pritzker School of Medicine, University of Chicago. Part of Walter Wright Day which includes papers, discussions, photography contest. Auditorium, Toronto General Hospital, from 9 a.m. Reception and dinner, Four Seasons Sheraton Motor Hotel, 7 p.m. (Ophthalmology)

"Minority Education and the Concept of Dignity", R. C. Harris, Head of Northwestern Centre, Ontario Institute for Studies in Education, Thunder Bay and J. Morris, Bearskin Lake, Convocation Hall, 8.15 p.m. (Royal Canadian Institute)

Sunday Free Films, "Secret in the Hive", "Making a Water Jug (Pottery)", and "Nathale Krebs". ROM Theatre, 2:30 p.m. Free with Museum admission.

"Recent Advances in Radiological Diagnosis of Brain Tumors", Dr. Derek Harwood-Nash, Hospital for Sick Children, Osler Hall, Academy of Medicine, 5 p.m.

The Laidlaw Lectures on "Eating and Drinking with Jesus: an Ethical Interpretation" by Dr. Arthur C. Cochrane, "Eating and Drinking with Jesus as an Act of Love (Agape)", 4 Knox College, 4 p.m. (Knox College)

"Recent Advances in Radiological Diagnosis of Brain Tumors", Dr. Derek Harwood-Nash, Hospital for Sick Children, Osler Hall, Academy of Medicine, 5 p.m.

"Morality of the Criminal Process", Prof. R. E. Allen, Falconer Hall, 12.30 to 2 p.m. (Law)

Ph.D. Orals

All members of the Graduate Faculty have the right to attend Ph.D. Oral Examinations.

Friday, January 19

M. C. Choi, Department of Mathematics, "Positive Linear Maps on C^* Algebras", Thesis supervisor: Prof. C. Davis, Room 108, 16 Hart House Circle, 10 a.m.

G. Yoggawaran, Department of Chemistry, "Studies on the Glycosphingophosphatides and Transformed Cultured Mammary Cells", Thesis supervisor: Prof. R. K. Murray, Room 107, 16 Hart House Circle, 2 p.m.

Mrs. Anne Keeton, Department of Educational Theory, "Processes for Serial Recall Related to the Socio-Economic Status and Intelligence of Children in Grade One", Thesis supervisor: Prof. J. McLean, Room 108, 16 Hart House Circle, 2 p.m.

Colbert I. Neaplingh, Department of Italian and Hispanic Languages and Literatures, "Literacy and Aesthetics in Franciose Imperial", Thesis supervisor: Prof. J. Burke, Room 108, 16 Hart House Circle, 2.15 p.m.

A. Hugh Munby, Department of Educational Theory, "The Provision Made for Selected Intellectual Consequences by Science Teaching: Derivation and Application

of an Analytical Scheme", Thesis supervisor: Prof. D. Roberts, Round Room, Massey College, 2 p.m.

Thursday, January 25

Thomas B. Hedley, Department of Mechanical Engineering, "The Intermittent Nature of Turbulent Flow", Thesis supervisor: Prof. J. F. Keffer, W2006 Walberg Building, 10 a.m.

Miss Margot Mackay heads Academy of Illustrators

Miss Margot Mackay, assistant professor in the Department of Art as Applied to Medicine, Faculty of Medicine, has been elected president of the Canadian Academy of Medical Illustrators. A second member of the department, Cary Cousins, has been elected vice-president and secretary. Prof. Elia Ross of the Faculty of Medicine, in the Department of Medical Art at Sunnybrook Hospital, spoke to the Toronto Philanthropic Educational Organization on the history and meaning of medical art in medical education.

EXHIBITIONS

Exhibition of the early work of Le Corbusier at Pessac, 230 College St. Jan. 18-31.

Paintings and drawings by instructors of Sheridan School of Design, Scarborough College, Jan. 18-31.

An exhibition of books from Bishop Strachan's library illustrating his principles of education. Presented by the Library of Trinity College for Founder's Day, Sunday, Jan. 14, and continuing to Jan. 19, 9.30 a.m.-4.30 p.m. Front Hall, Trinity College.

Exhibition of photographs by Michael Stan - "Ghana - If this is the time", New Academic Building, Victoria College, To Feb. 2.

"Harvest '72", A display of costumes and

textiles, selected from items acquired by ROM in 1972. Textile Gallery, ROM. To Mar. 31.

"Medical Illustration". A display of work done by members of the Canadian Academy of Medical Illustrators, who are trained in art and basic medical subjects. Third floor rotunda, ROM. From Jan. 26 to Feb. 23.

"Stamps of Henry Heuler", a collection of Canadian postage stamps who altered genuine stamps to enhance their value around the turn of the century. Stamp Corner, ROM. Jan. 19 to Mar. 1.

"Focal Forum". An annual display of photographs by members of the Toronto Focal Forum. Lower Rotunda, ROM. Jan. 23 to Feb. 18.

Minutes of SGS Council meeting

Summary of minutes of council, School of Graduate Studies, Dec. 19, 1972:

In the absence of the President, the meeting was chaired by Dean Safarian.

Business arising from the minutes

Associate Dean Parker reported that the report of the Review Committee for the Institute for History and Philosophy of Science and Technology was not yet ready for presentation to Council.

Prof. Conacher expressed concern that the OCGS resolution with respect to those having access to curriculum vitarium had excluded the ACAP discipline committees. The Chairman undertook to try to ensure availability of such curriculum vitarium to any specific discipline group where necessary.

Report of the Dean

1. Details of the Dec. 1, 1972, enrolment count, by faculty, would be circulated to Graduate Chairmen; the Dec. 1 count, by Divisions, will be available shortly.

2. The University of Toronto had met with the Committee on University Affairs in November; details of the statements by the President and other administrators had been published in the *Bulletin*. The President of the Graduate Students' Union had presented to CUA a statement on graduate student fees and student support. CUA had advised that the proposed replacement for the Ontario Graduate Fellowship program would not be implemented next year, but a recommendation had been made to the Ministry of Colleges and Universities that the OGF program be renewed next year at the same level.

3. The Student Support Committee will present an interim report to Council in January.

4. Guidelines procedures for the establishment of new graduate Centres, Institutes and Degrees had been circulated and comments were invited.

5. The report by the Committee on Postponement of Publication of Theses had been passed by the Academic Affairs Committee.

6. Concern had been expressed by Council regarding method of approval of new courses and one-year appointments to faculty for inclusion in the Calendar. Therefore it had been decided to ask that (a) a brief description accompany proposed new courses; (b) the number of graduate courses actually being given in the current academic year should be submitted as well as an estimate of the number of courses to be given in 1973-74.

7. Copies of the CAGS survey on Employment of new Ph.D. graduates 1971-72 were circulated.

Reports of the Associate Deans

Division IV:

Associate Dean Butler reported, for information only, that it was anticipated that notices of motion with respect to

the proposed establishment of a Neurosciences Institute, and a proposed Ph.D. in Pharmacy will be brought to the January meeting of Council.

The brief for a proposed M.A. in Speech Pathology had been returned for revision.

(President Evans joined the meeting, but declined to take the chair.)

Concern was expressed regarding the proliferation of professional Masters' degrees, and it was suggested that some part of a future Council meeting be devoted to this question.

Division I:

Associate Dean Parker reported, for information only, that two assessors had been added to the Executive Committee to give wider representation, and that Prof. B. K. Matilal had replaced Prof. D. D. Dhirasekera on the Degree Committee.

It was agreed that the principle of enlarging the membership of Committees in all four Divisions, which would involve amendments to the Statute of the School, would be an agenda item for a future Council meeting.

Associate Dean Parker requested approval for two courses in the Department of English for the 1972/73 session. Approval was given.

The Chairman suggested that procedures for approval of new courses be reviewed.

Division II:

Associate Dean Zakuta reported, for information only (a) the final decision on an appeal by a student against a particular grade; (b) that the implementation of an M.A. in Child Study at this time was premature.

Division III:

Associate Dean Scott (a) requested and received approval for six new courses to be given in the Spring term in Electrical Engineering; (b) presented the report of the Review Committee of the Institute of Applied Statistics, which recommended that no changes be made in the structure or status of the Institute. Council approved the report.

Other business

President Evans reported that:

1. The statements made to the CUA on Nov. 28 were now available on request from the Secretary to the Governing Council.

2. Two task forces had been established - one in Environmental Studies to try to determine a suitable organizational format that permits assembling resources and dismantling them rapidly; the other to investigate a closer working relationship with OISE, the College of Education, and the University of Toronto.

3. At recent meetings with the CUA and the COU Executive, one recurring theme had been the future of graduate studies, including student support and scholarships, and annual fees.

Higher Education Group sponsors seminars for Ontario Agencies

A series of weekly seminars presented by the Higher Education Group of the University of Toronto will be held Wednesdays at 3:30 p.m. from Jan. 17 until Feb. 28, at the Ontario Institute for Studies in Education, 252 Bloor St. W., free of charge to anyone interested.

These seminars are intended to familiarize interested members of the academic community with the public and private agencies, both governmental and non-governmental, which are influential in the formulation and implementation of policies for post-secondary education in the Province.

The first speaker was Dr. J. Gordon Parr, Chairman, Committee on University Affairs, on Jan. 17. Other speakers are:

Jan. 24: Norman A. Sisco, Chairman, Ontario Council of Regents for Colleges of Applied Arts and Technology.

Jan. 31: Dr. John B. Macdonald, Executive Director, Council of Ontario Universities.

Feb. 7: J. M. Porter, President of Sheridan College and Chairman, Committee of Presidents of Applied Arts and Technology.

Feb. 14: Prof. Greg W. Bennett, Executive Vice-Chairman, Ontario Confederation of University Faculty Associations.

Feb. 21: Hon. Jack McNie, Minister of Colleges and Universities, Ministry of Colleges and Universities.

Feb. 28: Commission on Post-Secondary Education in Ontario, speaker to be announced.

The speaker for each agency will sketch its origin and development, report at greater length on its recent and current activities, and discuss its role as an element in the system of post-secondary education in Ontario. The presentation will be limited to 40 minutes and after there will be questions and open discussion.

Further information may be obtained through either the Higher Education Group (928-7279) or the Conference Office of OISE (923-6641, Ext. 391).

STAFF NOTES

Management Studies

PROF. J. CASURO addressed the Institute of Public Administration in Canada on "Collective Bargaining in the Public Service" at their 24th Annual Conference in Fredericton, on Sept. 8. He also addressed a joint meeting of the Canadian Gas Association and Canadian Gas Association Committee on "The Public Interest in Collective Bargaining", in Toronto, on Oct. 2. On Oct. 4, he addressed the Canadian Society of Printers' Association on "The Future of Collective Bargaining" in Toronto. On Oct. 11, he directed two day conference for the Canadian Airline Pilots' Association and The Canadian Airline Industry on "The Future of Collective Bargaining in the Airline Industry".

On Oct. 12, he addressed the Metropolitan Toronto Business Club on "Management Leadership in Toronto". On Oct. 27, he addressed the Faculty Management Seminar, Lamont College, Sarnia, Ontario on "The Public Interest in Collective Bargaining".

PROF. B. A. KALYMON presented a seminar at the Graduate School of Business Administration at Harvard University on the topic "Simulation Programming, the Use of Normative Concepts in Simulation Models" on Oct. 30. He also visited the Computer Research Center for Economics and

Management Science in Cambridge, Mass., and the Operations Research Center at the Massachusetts Institute of Technology on Oct. 27.

Drama Centre

ON Nov. 10 PROF. LISE-LONE MANKER represented the Drama Centre at the annual meeting of the Canadian Theatre Centre in Ottawa. On Nov. 16 she and PROF. FREDERICK MAERZ presented a joint lecture on "Ibsen's 'Rosmersholm'" to the University College Alumnae Association.

History and Philosophy of Sciences and Technology

PROF. STELLIAN DRAKE addressed a joint session of the American Association for the Advancement of Science and the History of Science Society in Washington, on Dec. 28, opening worldwide celebration of 1973 as the 500th anniversary of the birth of Copernicus. His topic was "Copernicanism in Bruno, Kepler, and Galileo". On Dec. 29, he spoke at the History of Science Society meeting, on "Galileo's Discovery of the Law of Falling Bodies and the Parabolic Trajectory of Projectiles".

Dr Fred Plum of Cornell to give sixth Ray F Farquharson lecture

The sixth Ray F. Farquharson Memorial Lecture will be given at the Medical Sciences Building, Room 3154, on Tuesday, Feb. 6 at 5:30 p.m.

The lecturer will be Dr. Fred Plum, Professor of Neurology, Cornell University Medical College. His topic will be "Epilepsy and Brain Metabolism". Dr. Plum will be the sixth Ray F. Farquharson visiting Professor of Medicine at the U of T from Feb. 4 to 9.

In honour of Dr. Ray F. Farquharson (1897-1965) the Faculty of Medicine established in 1968 the Ray F. Farquharson Professorship whose incumbent will deliver the Ray F. Farquharson Memorial Lecture. Ray F. Farquharson was a distinguished physician who served as Professor of Medicine at the University of Toronto from 1947 to 1960. He helped establish the Medical Research Council of Canada and at the time of his death in June 1965 he was Chairman of that body.

The Ray F. Farquharson Memorial Fund was started by contributions from his former resident physicians who wished to express their appreciation for the privilege of having trained under his inspiring guidance. Additional support was obtained from miscellaneous donations contributed to the Farquharson Investigation Unit of the Toronto Gen-

eral Hospital. The Trustees of the Fund hope to bring to the University annually, a physician who exemplifies the qualities so admired in Ray Farquharson, namely the skillful and sensitive blending of art and science of medicine. Arrangements will be made to allow him to spend as much time as possible with students and residents.

Prof J T Lemon wins

American History award

PROF. JAMES T. LEMON (Geography) has received the Albert J. Beveridge Award of the American Historical Association for the best book in American History for 1972. His book *The Best Poor Man's Country: A Geographical Study of Early Southeastern Pennsylvania* was published by Johns Hopkins Press last year. The award was made early in January at the annual meetings of the American Historical Association in New Orleans and carried an honorarium of \$5,000.

It is believed this is the first time a Canadian has received this award. In view of the fact that the competition was open to all books on American History, Prof. Lemon's win is a real distinction.

Passport guarantor system to include academic community

The Passport Office of the Department of External Affairs has asked that an extension in the existing guarantor system include members of the academic community.

Passport applications include a list of eligible guarantors. That list has been revised to include certain members of the academic community, as follows: "Persons holding senior university administrative position or teaching appointment; head of community college (includes Colleges d'Enseignement et de Formation Générale et Professionnelle)."

Correspondence from the Passport Office goes on to explain that the purpose of the guarantor of a Canadian passport is to identify the applicant and his or her application, picture and signature. In declaring that he or she has known the applicant personally for a period of at least two years, the guarantor should be aware of the fact that he or she is assuming a responsibility for any false statement in this regard for which he or she may be held liable under section 58 of the Criminal Code which is reproduced

on the passport application form. Thus, if the guarantor does not know the applicant well enough to be reasonably certain that the facts which he or she is attesting are true, he or she would be well advised, in his or her own interest, to refer the applicant to another guarantor.

All Hart House members may join the Gallery Club

The Gallery Dining Room overlooking the Great Hall of Hart House is now the Gallery Club, licensed as a club dining lounge. Membership is open to all members of Hart House, including undergraduate students who are 18 years of age and over. Membership cards are available without charge at Hart House Graduate Office.

Luncheon is served buffet style in the Gallery Club, at \$1.50 and \$1.80, from 12 noon to 1.45 p.m. daily, Monday to Friday, and dinner, at \$4 and up, with waitress service, is from 6 to 7.30 p.m., Monday to Friday.